

Applied Physics BS – Sample Curriculum Calendar

2009-2010 Academic Year, MDS #315, Division A, 4/10/09

Year-1 Fall '09

Course #	Course Title	SH
PHYS 1000	Intro to College	1
PHYS 1161/2	Physics 1 (w/Lab)	5
MATH 1341	Calculus 1 (Sci/eng)	4
ENGL 1111	College Writing	4
XXXX xxxx	NU Core	<u>4</u>
Total		18

Year-1 Spring '10

Course #	Course Title	SH
PHYU1165/6	Physics 2 (w/Lab)	5
MATH 1342	Calculus 2 (Sci/Eng)	4
GE 1111	Eng Prb Solv&Comp	4
XXXX xxxx	NU Core	<u>4</u>
Total		17

Year-1 Summer '10

No Classes
Vacation

Year-2 Fall '10

Course #	Course Title	SH
PHYS 2305‡*	Thermo & Stat Physic:	4
PHYS 2371/2	Electronics (w/Lab)	4
MATH 2321	Calculus 3 (Sci/Eng)	4
CHEM 1211/2	Chemistry 1 (w/Lab)	<u>5</u>
Total		17

Year-2 Spring '11

Course #	Course Title	SH
PHYS 2303‡*	Modern Physics	4
MATH 2351	Ordinary Diff Eqs	4
MATH 2331	Linear Algebra	4
XXXX xxxx	Free Elective	4
EXED 2000	Prof Dev for Co-Op	<u>1</u>
Total		17

Year-2 Summer-1 '11

No Classes	CO-OP
Vacation	

Year-3 Fall '11

CO-OP

Year-3 Spring '12

Course #	Course Title	SH
PHYS 3602	Electricity & Mag	4
PHYS 5260†	Nanoscience & Tech	4
XXXX xxxx	NU Core	4
XXXX xxxx	Free Elective	<u>4</u>
Total		16

Year-3 Summer-1 '12

CO-OP	CO-OP								
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Course #		Course							
PHYS 3600	Adv Phys Lab 1 4 SH								
PHYS 3603	EM Waves & Optics <u>4 SH</u>								
Total 8 SH									

Year-4 Fall '12

CO-OP

Year-4 Spring '13

Course #	Course Title	SH
PHYS 4606	Computational Phys	4
ENG U3301	Adv Writing	4
XXXX xxxx	Technical Elective	4
XXXX xxxx	NU Core	<u>4</u>
Total		16

Year-4 Summer-1 '13

CO-OP	CO-OP								
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Course #		Course							
PHYS 4996	Experiential Ed 4 SH								
XXXX xxxx	Technical Elective <u>4 SH</u>								
Total 8 SH									

Year-5 Fall '13

CO-OP

Year-5 Spring '14

Course #	Course Title	SH
PHYS 5318	Adv Phys Lab 2	4
PHYS xxxx	Adv Physics Elective	4
XXXX xxxx	Technical Elective	4
XXXX xxxx	Free Elective	<u>4</u>
Total		16

Major Semester Hours: 91

Total Semester Hours: 133

(† scheduled in odd years only)
 (‡ scheduled in even years only)
 (* scheduled in both Fall and Spring)